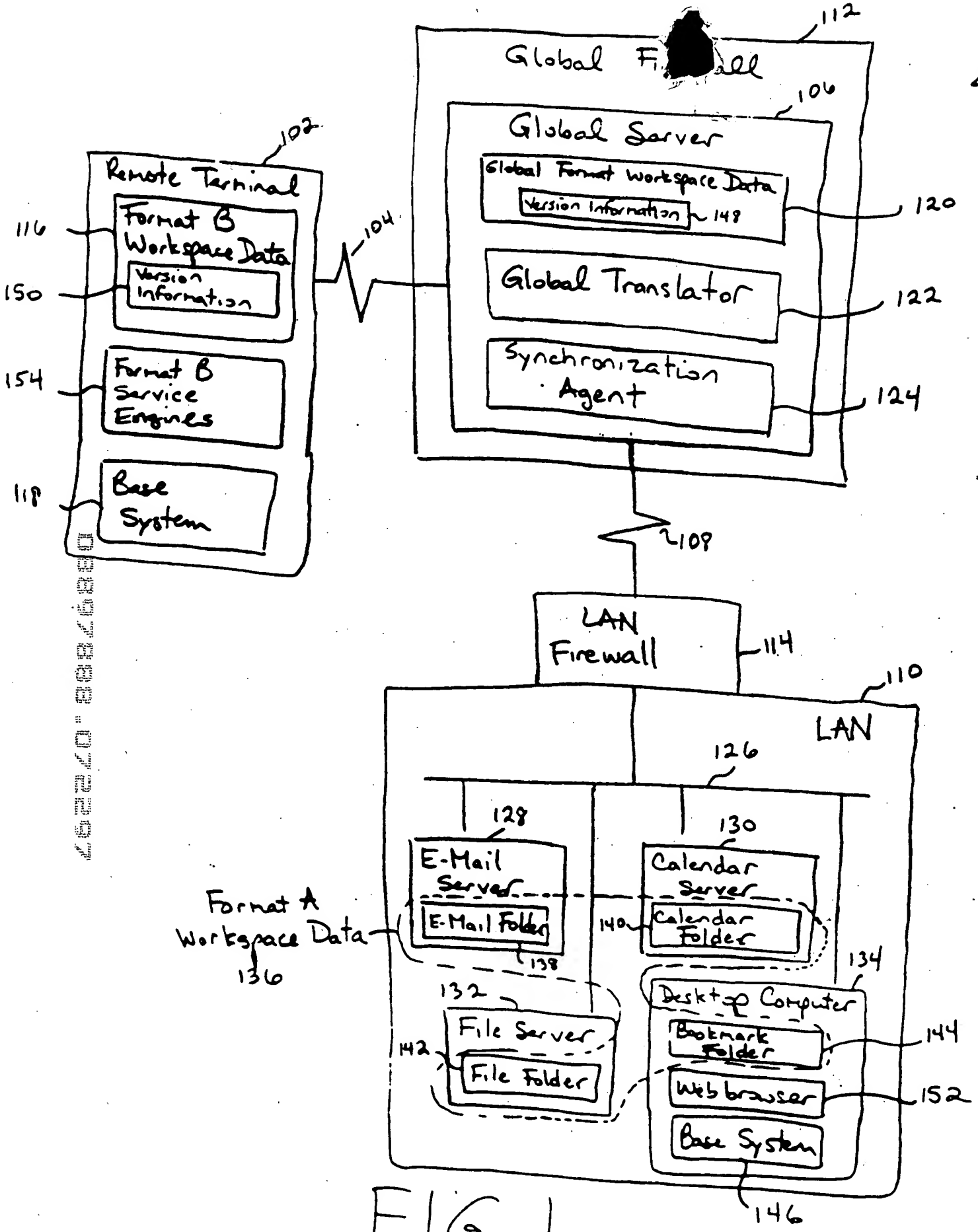
100
112
Global Firewall
106
Global Server
Global Format Workspace Data
Version Information
148
120
Global Translator
122
Synchronization Agent
124
102
Remote Terminal
116
Format B Workspace Data
Version Information
150
104
154
Format B Service Engines
118
Base System
108
LAN Firewall
114
110
LAN
126
128
E-Mail Server
E-Mail Folder
138
130
Calendar Server
Calendar Folder
140
Format A Workspace Data
136
132
File Server
File Folder
142
134
Desktop Computer
Bookmark Folder
144
Web browser
152
Base System
146

FIG. 1

7622270 "88876880

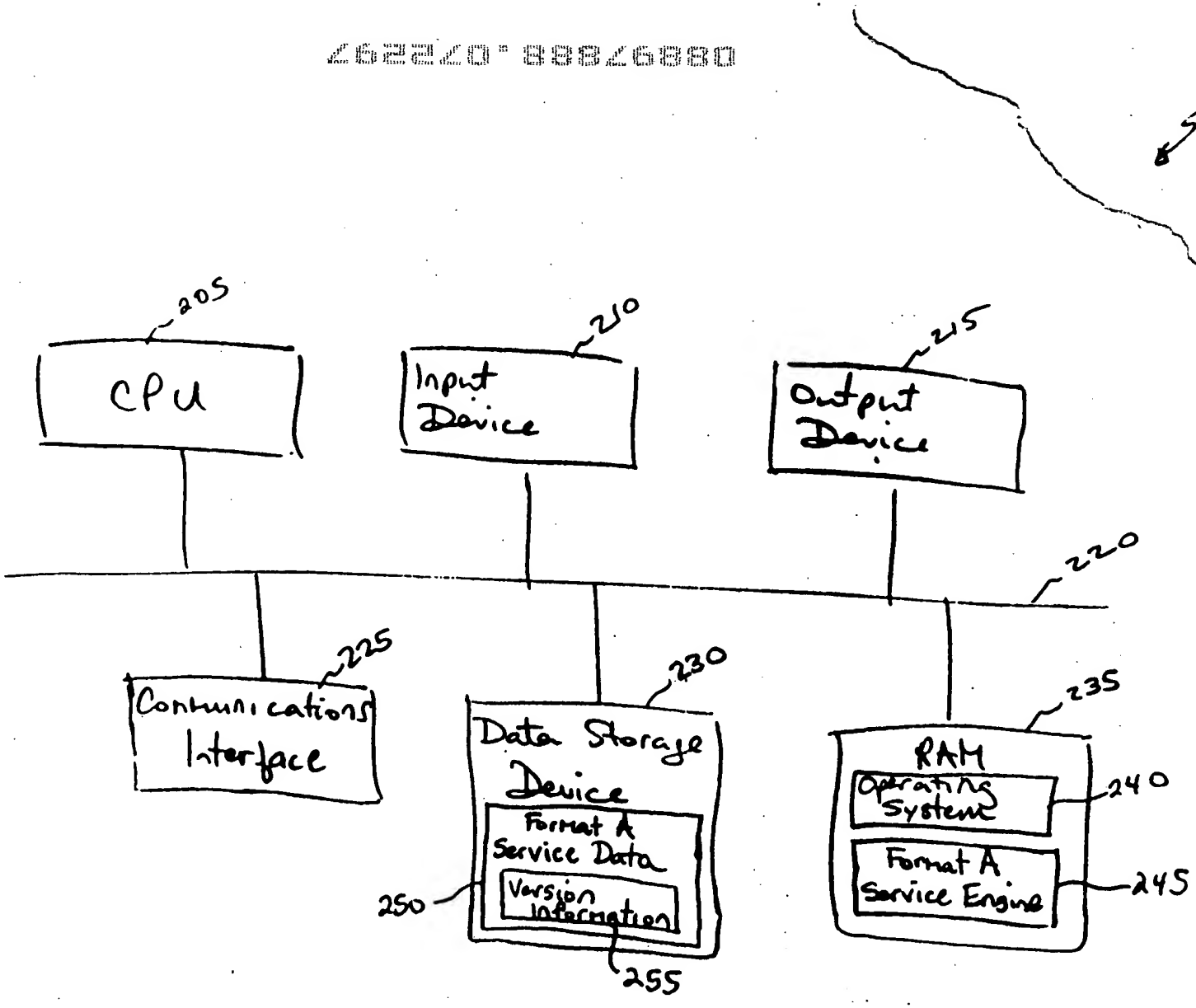

FIG. 2

7622270" 89876880

Desktop Computer 134

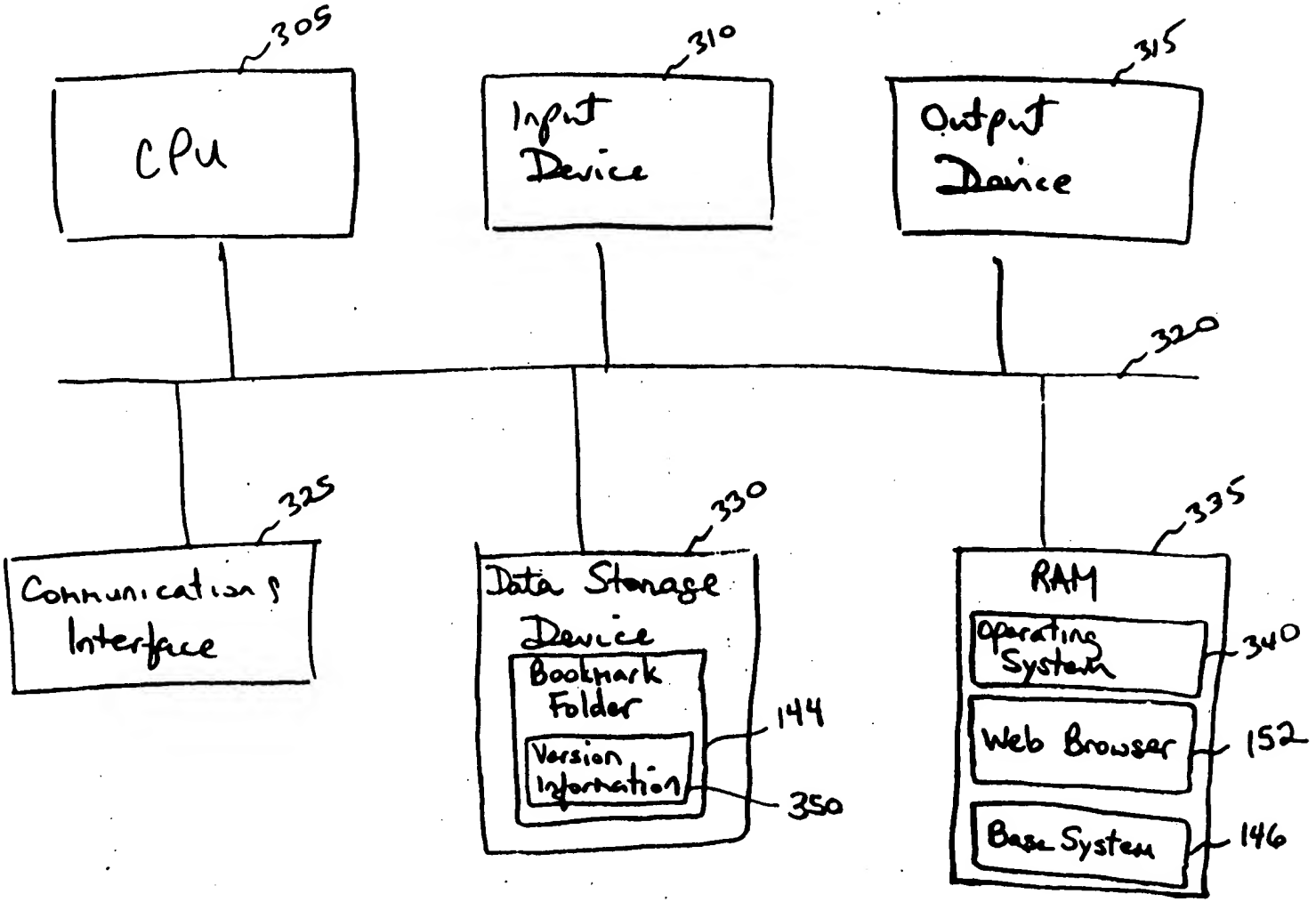

FIG. 3

2623270 "08826880

Case System 400

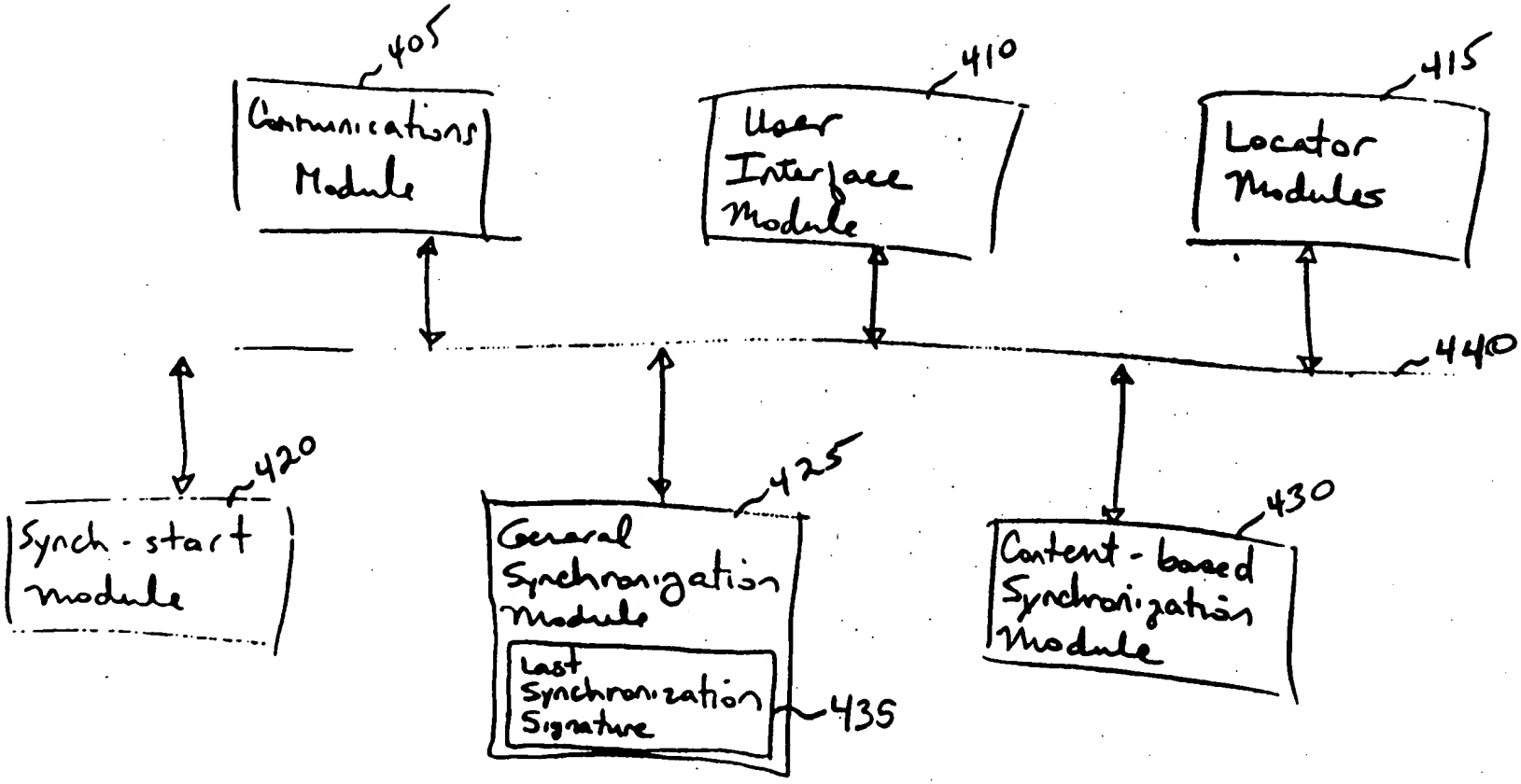

FIG. 4

2622270 "888/6880

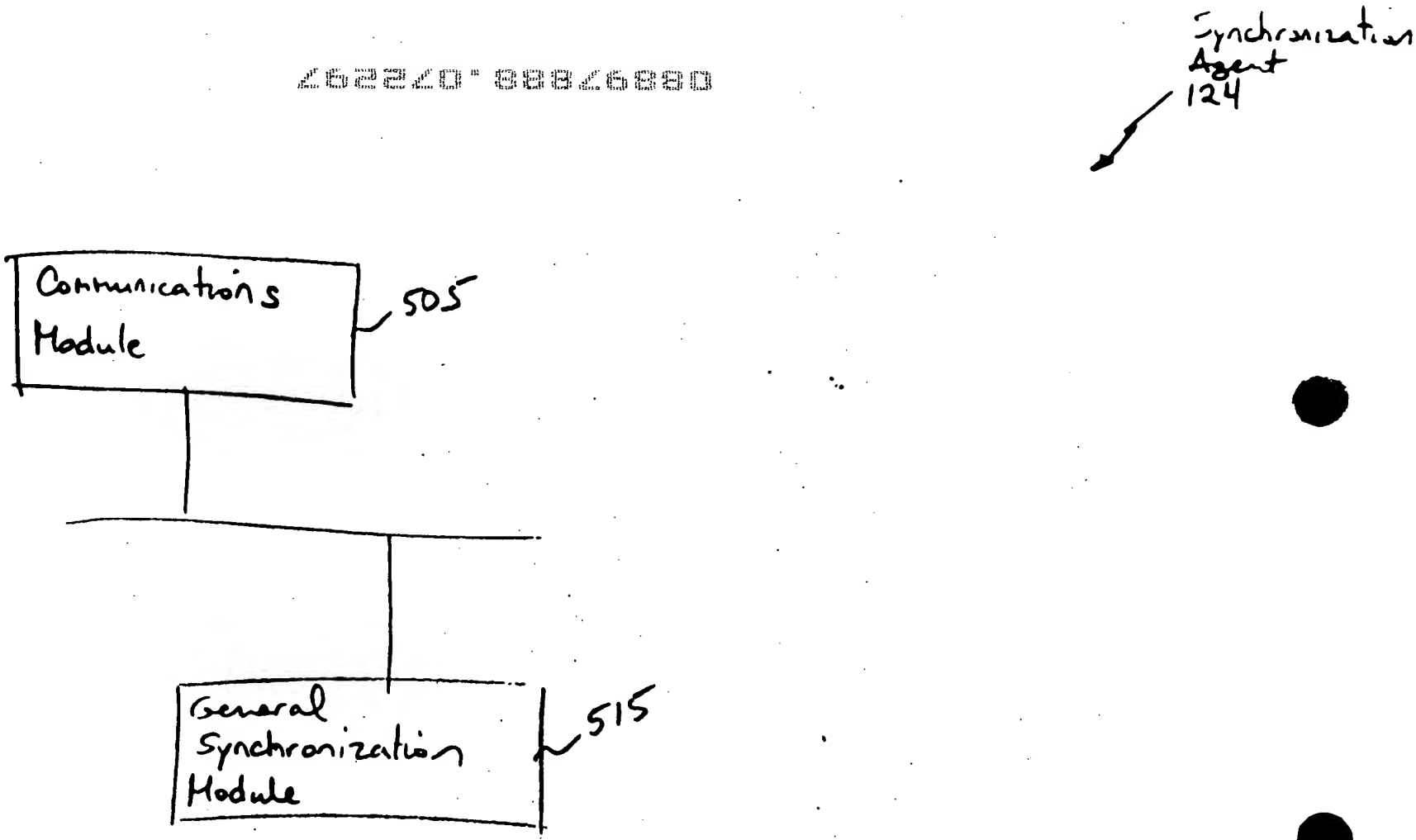

FIG. 5

20020188880

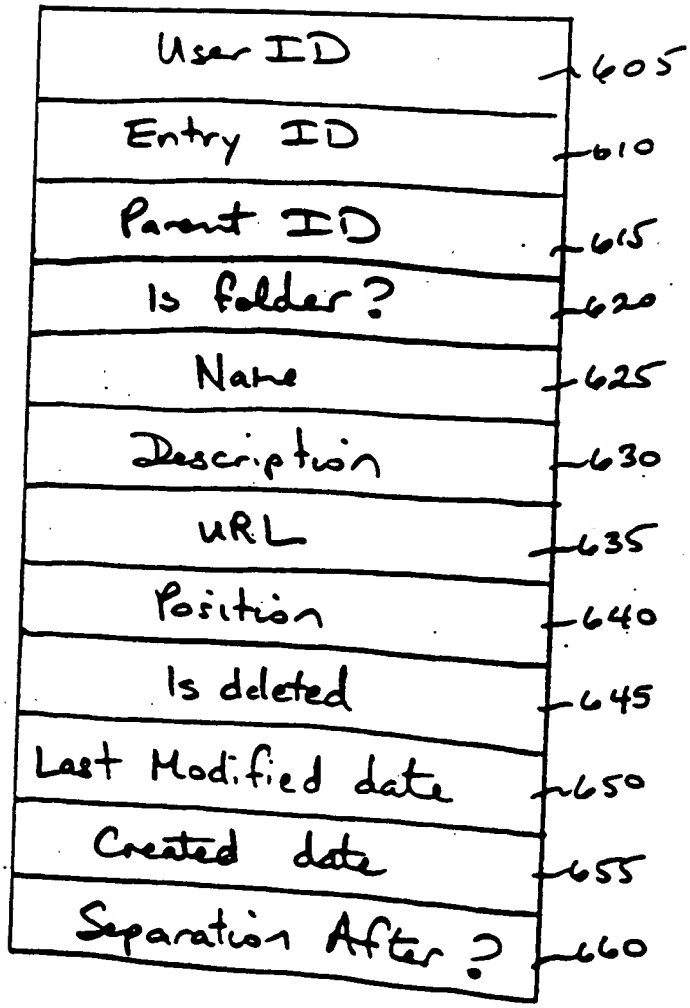

FIG. 6

(Global Format Bookmark Example)

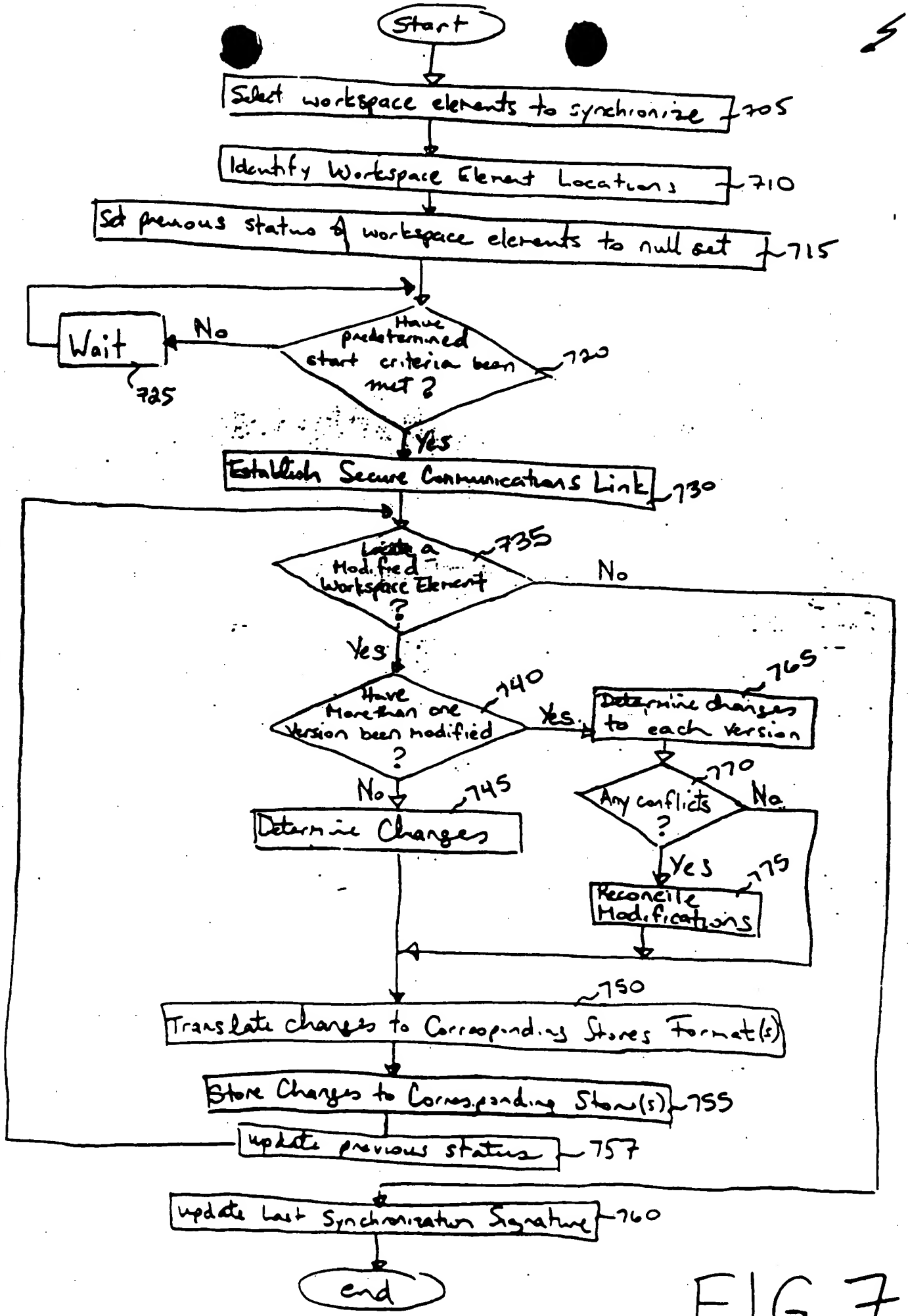
Start
700
Select workspace elements to synchronize
705
Identify Workspace Element Locations
710
Set previous status of workspace elements to null set
715
Have predetermined start criteria been met?
720
No
Wait
725
Yes
Establish Secure Communications Link
730
Locate a Modified Workspace Element?
735
No
Yes
Have More than one Version been modified?
740
Yes
Determine changes to each version
765
No
Determine Changes
745
Any conflicts?
770
No
Yes
Reconcile Modifications
775
Translate changes to Corresponding Stores Format(s)
750
Store Changes to Corresponding Store(s)
755
Update previous status
757
Update Last Synchronization Signature
760
end

FIG. 7

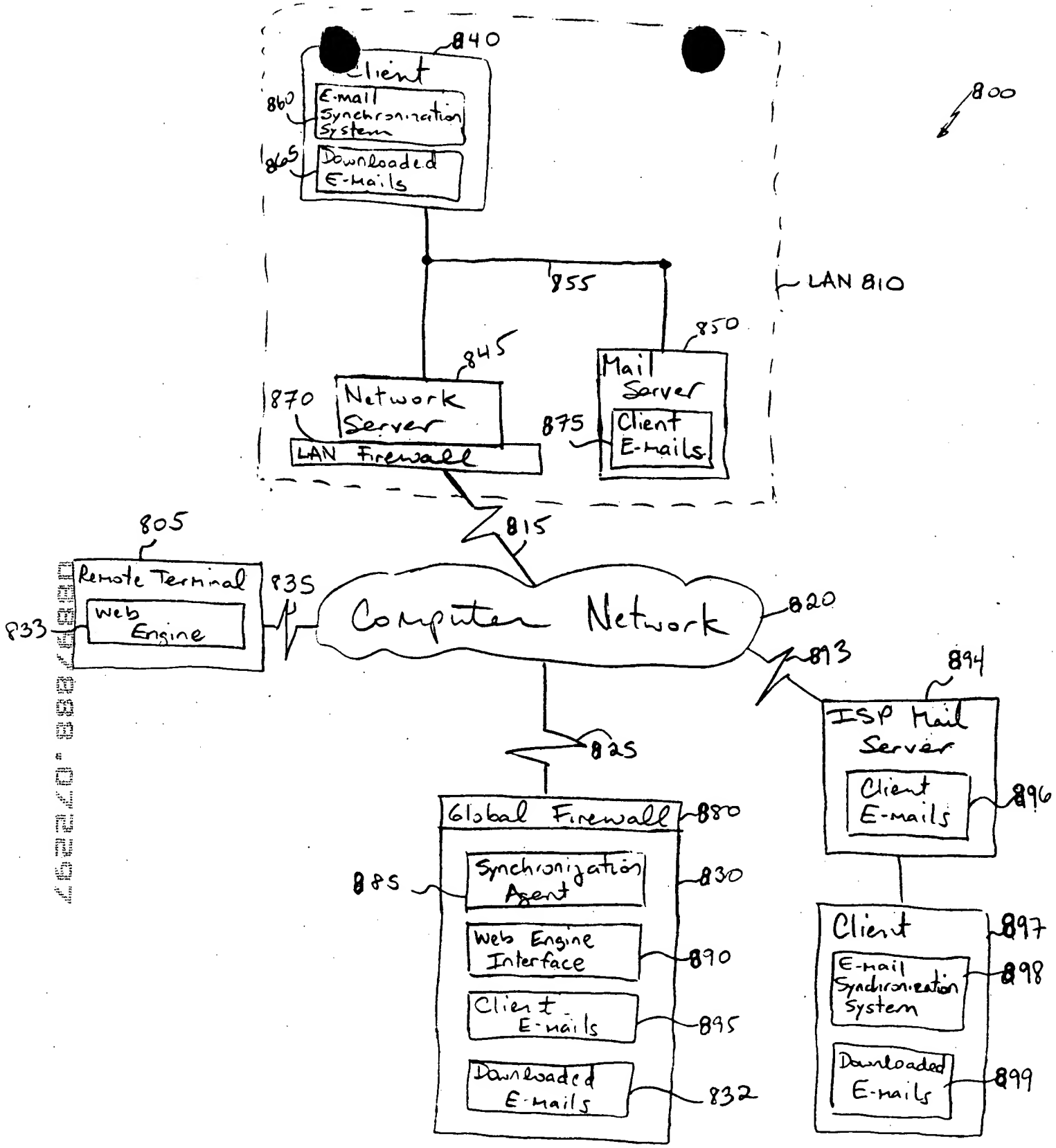
800
840
Client
860
E-mail Synchronization System
865
Downloaded E-mails
855
LAN 810
850
Mail Server
875
Client E-mails
845
870
Network Server
LAN Firewall
815
805
Remote Terminal
833
Web Engine
835
Computer Network
820
893
894
ISP Mail Server
Client E-mails
896
825
Global Firewall
880
885
Synchronization Agent
830
Web Engine Interface
890
Client E-mails
895
Downloaded E-mails
832
Client
897
E-mail Synchronization System
898
Downloaded E-mails
899

FIG. 8

08876880 "762270

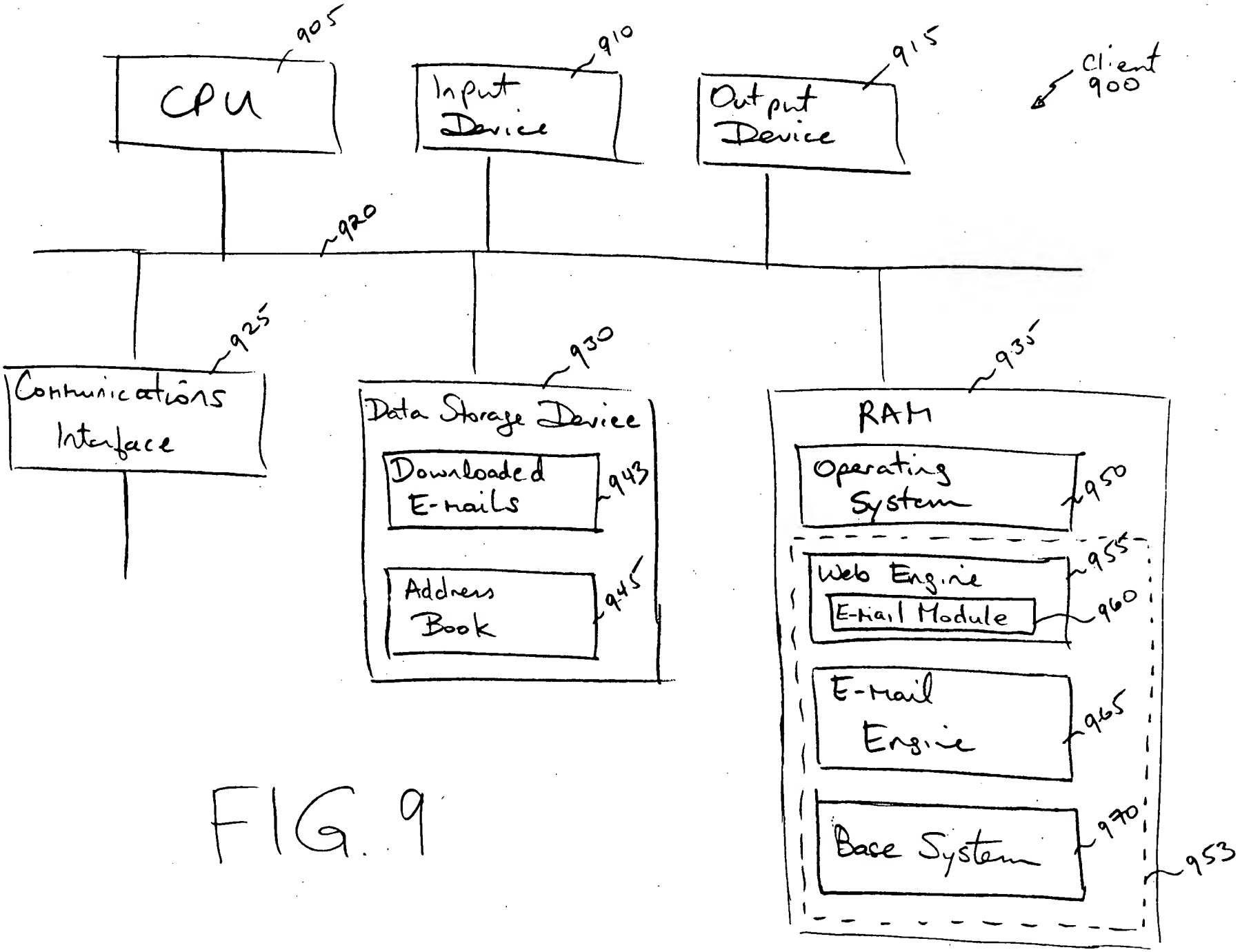

FIG. 9

46220 8876880

Base System 970

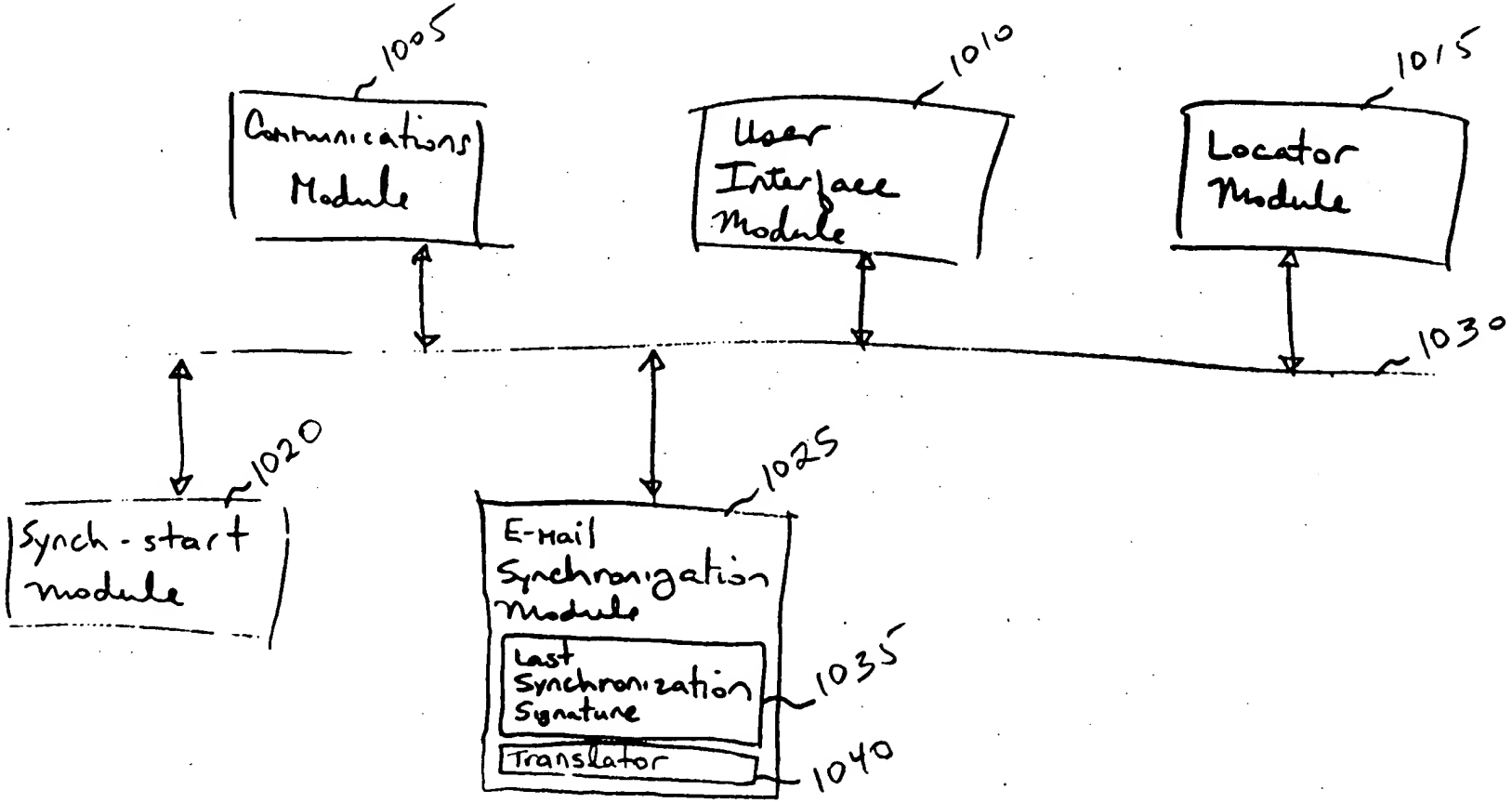

FIG. 10

4623270 "88876880

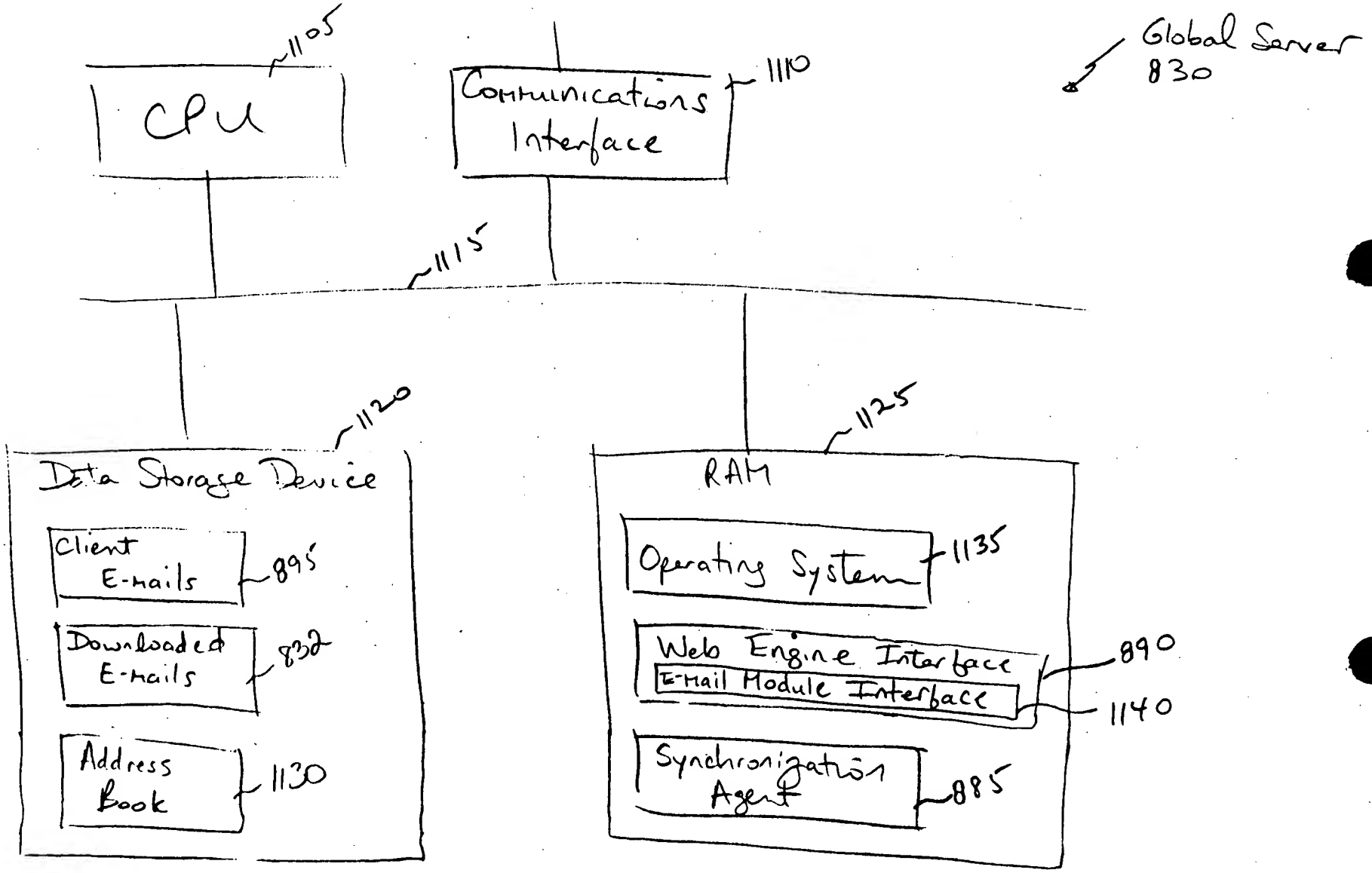

FIG. 11

Synchronization Agent
885

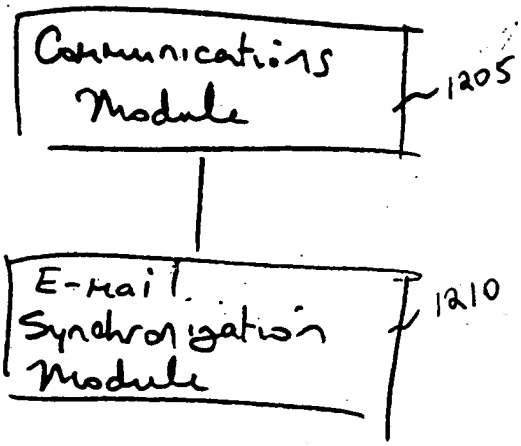

FIG. 12

6622C0 88C6880

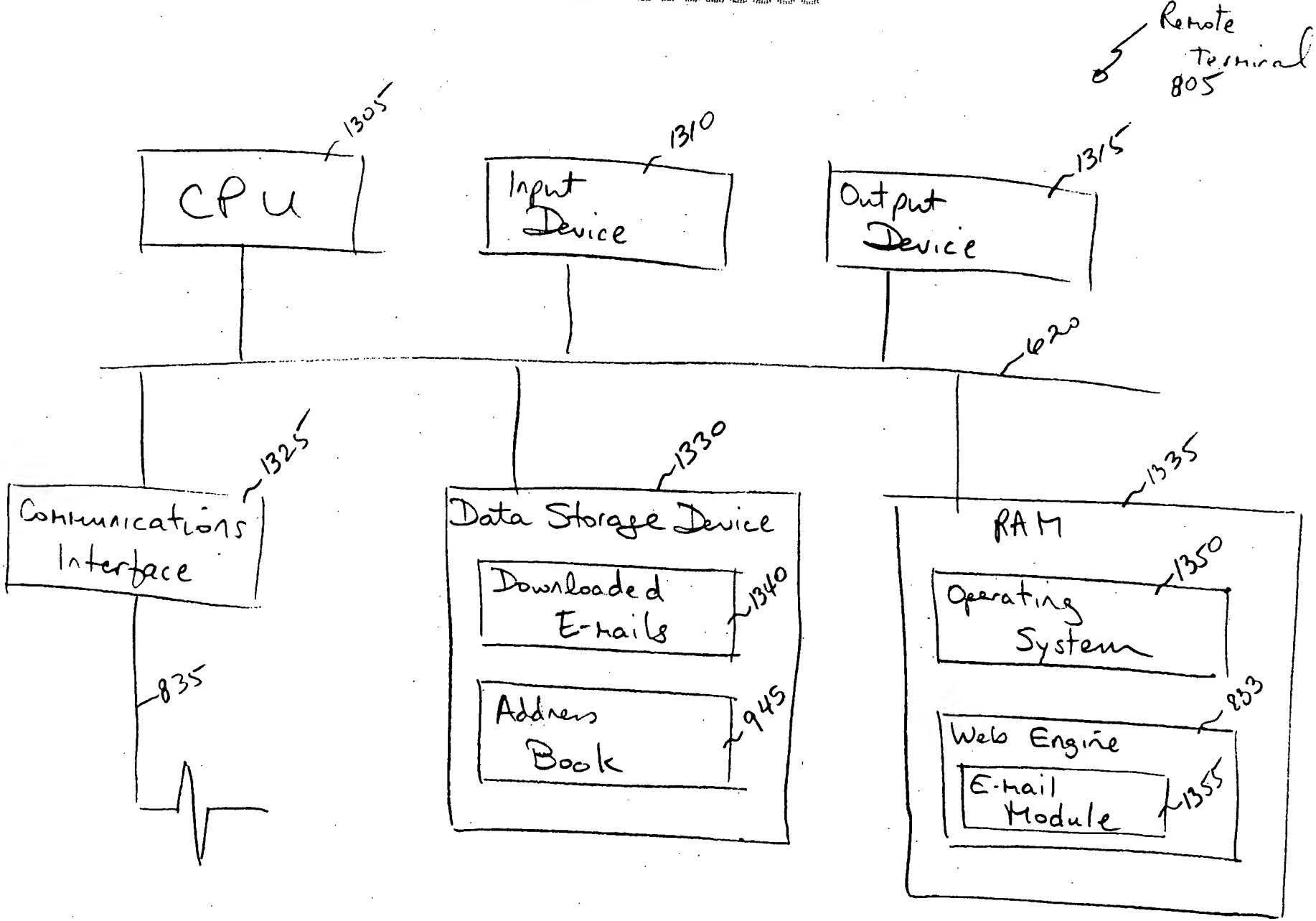

FIG. 13

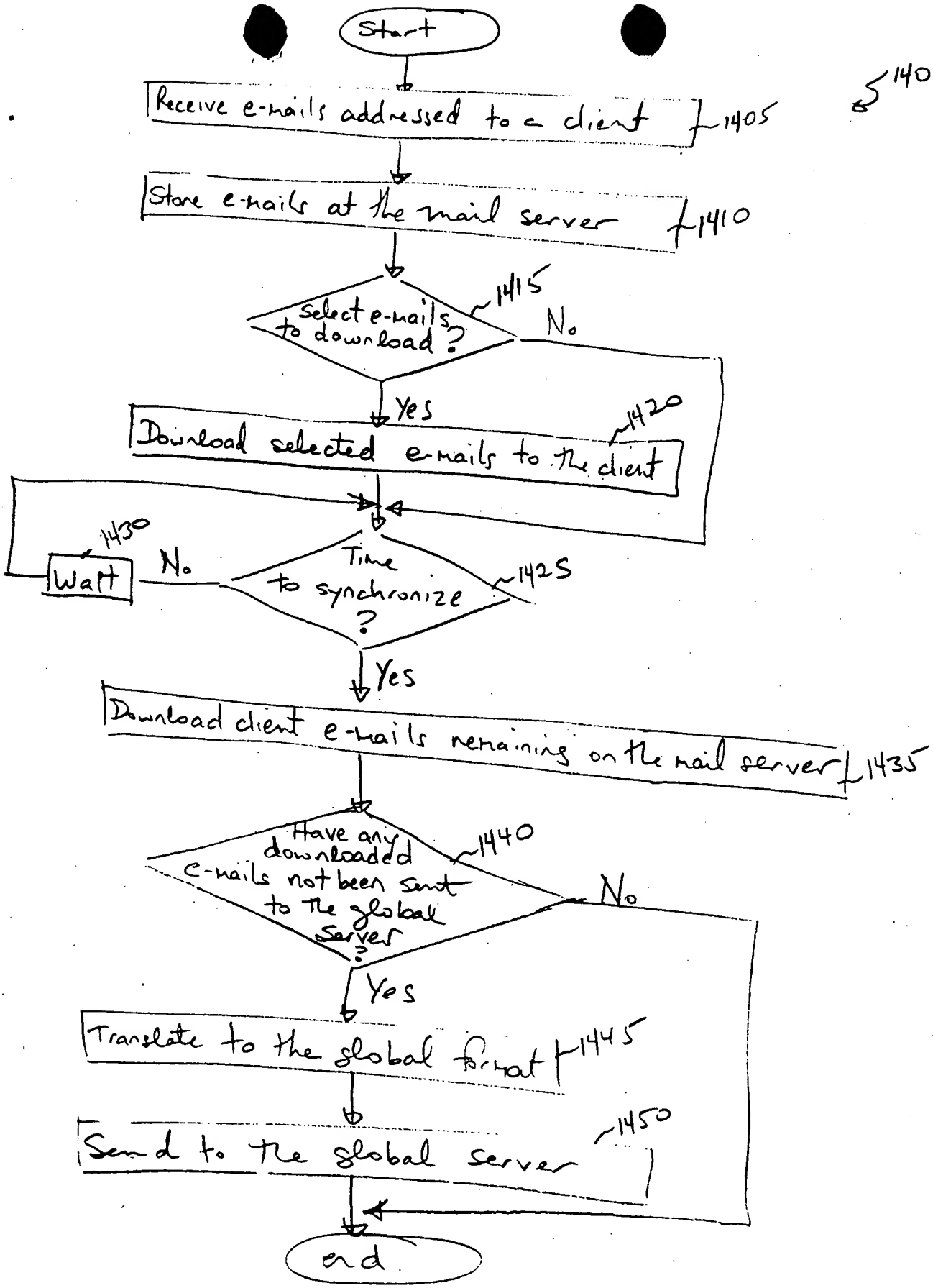
Start
1400
Receive e-mails addressed to a client
1405
Store e-mails at the mail server
1410
Select e-mails to download?
1415
No
Yes
Download selected e-mails to the client
1420
Wait
1430
No
Time to synchronize ?
1425
Yes
Download client e-mails remaining on the mail server
1435
Have any downloaded e-mails not been sent to the global server ?
1440
No
Yes
Translate to the global format
1445
Send to the global server
1450
end

FIG. 14

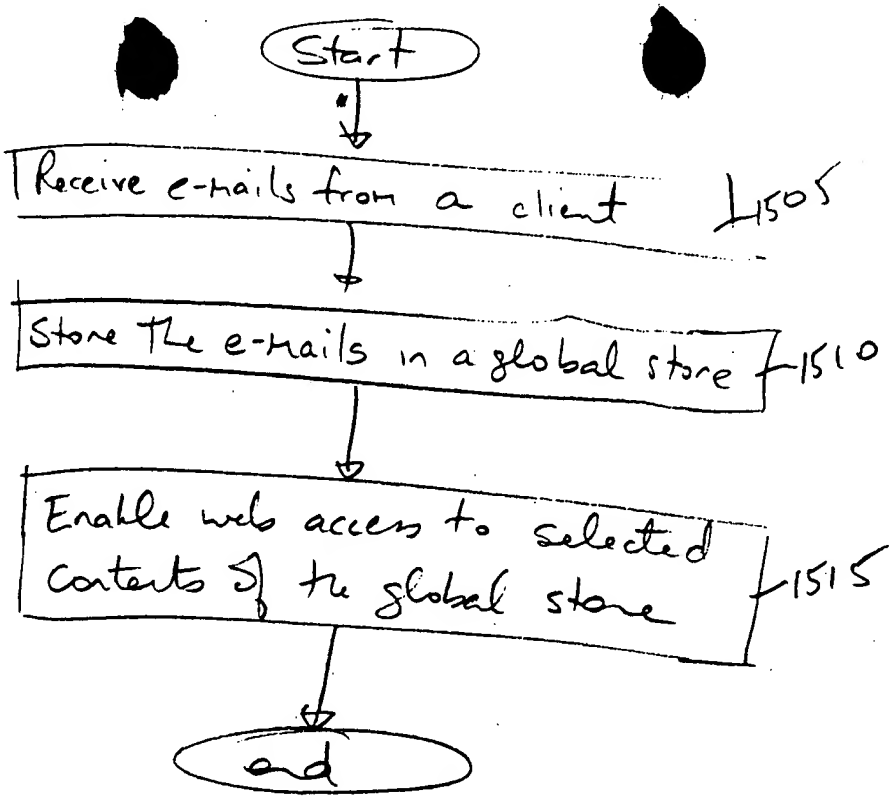
Start
Receive e-mails from a client
1505
Store the e-mails in a global store
1510
Enable web access to selected contents of the global store
1515
end
1500

FIG. 15